

For Research Use Only

Synaptophysin Recombinant antibody, PBS Only (Capture/Detector)

Catalog Number: 82900-4-PBS



Basic Information

Catalog Number: 82900-4-PBS	GenBank Accession Number: BC064550	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 6855	CloneNo.: 240162C3
Source: Rabbit	UNIPROT ID: P08247	
Isotype: IgG	Full Name: synaptophysin	
Immunogen Catalog Number: AG11781	Calculated MW: 313 aa, 34 kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA,
Sample test

Species Specificity:
human

Product Information

82900-4-PBS targets Synaptophysin as part of a matched antibody pair:

MP00345-1: 82900-4-PBS capture and 82900-2-PBS detection (validated in Cytometric bead array)

MP00345-2: 82900-5-PBS capture and 82900-4-PBS detection (validated in Cytometric bead array)

MP00345-3: 82900-3-PBS capture and 82900-4-PBS detection (validated in Cytometric bead array)

MP00345-4: 82900-8-PBS capture and 82900-4-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

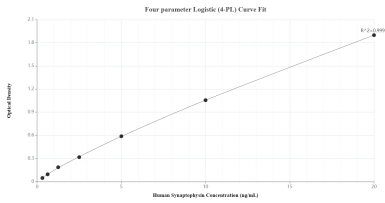
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

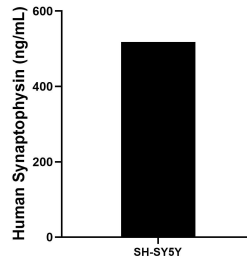
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

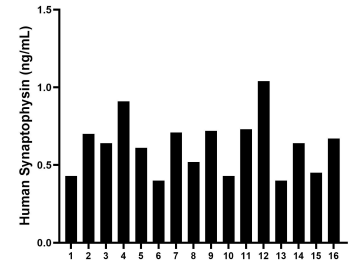
Selected Validation Data



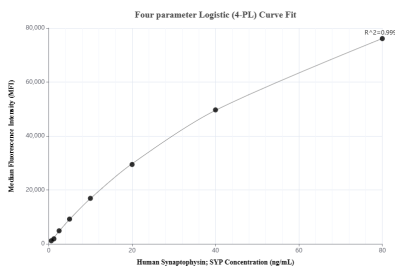
Sandwich ELISA standard curve of MP00345-4, Human Synaptophysin Recombinant Matched Antibody Pair - PBS only. 82900-8-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag11781. 82900-4-PBS was HRP conjugated as the detection antibody. Range: 0.313-20 ng/mL



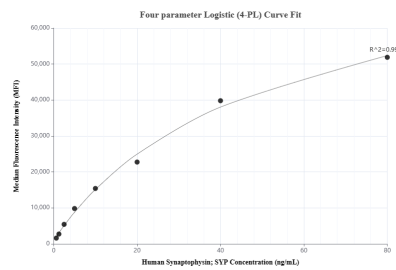
The mean Synaptophysin concentration was determined to be 518.35 ng/mL in SH-SY5Y cell extract based on a 2.2 mg/mL extract load.



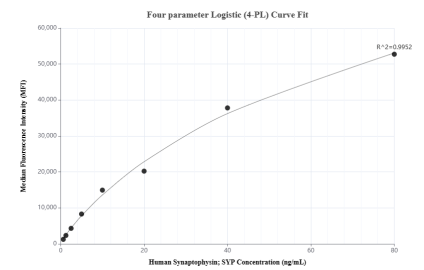
Serum of sixteen individual healthy human donors was measured. The Synaptophysin concentration of detected samples was determined to be 0.63 ng/mL with a range of 0.40 - 1.04 ng/mL



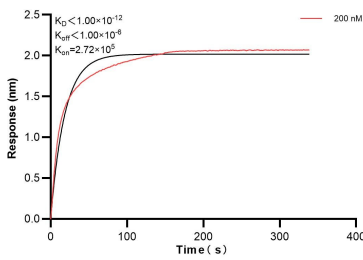
Cytometric bead array standard curve of MP00345-1, Synaptophysin Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82900-4-PBS. Detection antibody: 82900-2-PBS. Standard: Ag11781. Range: 0.625-80 ng/mL



Cytometric bead array standard curve of MP00345-2, Synaptophysin Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82900-5-PBS. Detection antibody: 82900-4-PBS. Standard: Ag11781. Range: 0.625-80 ng/mL



Cytometric bead array standard curve of MP00345-3, Synaptophysin Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 82900-3-PBS. Detection antibody: 82900-4-PBS. Standard: Ag11781. Range: 0.625-80 ng/mL



Biolayer interferometry (BLI) kinetic assay of 82900-4-PBS against Human Synaptophysin was performed. The affinity constant is below 1 pM.